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May 2008 Queue

Publisher: ACM
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Adrian Paschke, Harold Boley, Alexander Kozlenkov, Benjamin Craig

October 2007 **ICPW '07: Proceedings of the 2nd international conference c**
Publisher: ACM
Full text available: Pdf (681.78 KB) Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 136, Downlo

The Rule Responder project (responder.ruleml.org) extends the Semant collaborative human-computer networks. These allow semi-automated (pragmatic) contexts, ...

Keywords: complex event processing, coordination, multi agent system representation languages, rule interchange format

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3 [Chimera: hypermedia for heterogeneous software development envi](#)

Kenneth M. Anderson, Richard N. Taylor, E. James Whitehead, Jr.

July 2000 **Transactions on Information Systems (TOIS)**, Volume 18

 Publisher: ACM Request Permissions
Full text available: Pdf (864.32 KB) Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 53, Downloa

Emerging software development environments are characterized by het stores, user interfaces, and tools. This paper presents an approach for heterogeneous setting. Central ...

Keywords: heterogeneous hypermedia, hypermedia system architecture software development environments

4 [Service oriented architectures: approaches, technologies and resear](#)





Mike P. Papazoglou, Willem-Jan Heuvel

July 2007 **The VLDB Journal — The International Journal on Very**
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (818.68 KB) Additional Information: [full citation](#), [at](#)**Bibliometrics:** Downloads (6 Weeks): 255, Downloads (12 Months): 2677, Dov



Service-oriented architectures (SOA) is an emerging approach that adds standards-based, and protocol-independent distributed computing. They comprise a number of invocations ...

Keywords: Application and service integration, Asynchronous and event-oriented architecture, Web services

5 Computing curricula 2001

 CORPORATE The Joint Task Force on Computing Curricula
September 2001 **Journal on Educational Resources in Computing (JER)**
Publisher: ACM  [Request Permissions](#)
Full text available:  [HTML \(2.78 KB\)](#),  [PDF \(613.63 KB\)](#) Additional Information: [full citation](#), [at](#)
Bibliometrics: Downloads (6 Weeks): 94, Downloads (12 Months): 1187, Downloads




6 Experiences with recombinant computing: Exploring ad hoc interope

 W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor F. Smith
April 2009 **Transactions on Computer-Human Interaction (TOCHI)**
Publisher: ACM  [Request Permissions](#)
Full text available:  [PDF \(3.34 MB\)](#) Additional Information: [full citation](#), [at](#)
Bibliometrics: Downloads (6 Weeks): 36, Downloads (12 Months): 153, Downloads

This article describes an infrastructure that supports the creation of interprior agreements about the specific forms of communication between the set of "meta-interfaces"—agreements ...

Keywords: Mobile code, Object Speakeasy, discovery, infrastructure, inter-computing, user interfaces


7 Asynchronous information space analysis architecture using content

 Ke-Thia Yao, In-Young Ko, Ragy Eleish, Robert Neches
June 2000 **DL '00: Proceedings of the fifth ACM conference on Digital lib**
Publisher: ACM  [Request Permissions](#)
Full text available:  [PDF \(470.15 KB\)](#) Additional Information: [full citation](#), [at](#)
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Our project focuses on rapid formation and utilization of custom collection-paced tasks. Assembling such collections, as well as organizing and analyzing and sophisticated ...

Keywords: asynchronous service access, component architecture, content information analysis, information management, metadata


8 Simulation in the international IMS MISSION project: the IMS MISSION simulation

Charles McLean, Frank Biddick
December 2000 **WSC '00: Proceedings of the 32nd conference on Winter simulation**
Publisher: Society for Computer Simulation International
Full text available:  [PDF \(269.47 KB\)](#) Additional Information: [full citation](#), [at](#)
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This paper presents an overview of a neutral reference architecture for inter-


systems with each other, with other manufacturing software application manufacturing ...

9 What does aspect-oriented programming mean to Cobol?

 Ralf Lämmel, Kris De Schutter

March 2005 **AOSD '05**: Proceedings of the 4th international conference on

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (172.28 KB)


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Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 62, Download

We study AOP in the context of business programming with Cobol. We find in Cobol programs? What is advice? Does classic Cobol provide any crosscutting ...


Keywords: Cobol, aspect-oriented programming, business programming

10 A REST protocol and composite format for interactive web documents

 John M. Boyer, Charles F. Wiecha, Rahul P. Akolkar

September 2009 **DocEng '09**: Proceedings of the 9th ACM symposium on C

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (553.72 KB)

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Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 21, Download

Documents allow end-users to encapsulate information related to a collaboration be saved, emailed, digitally signed, and used as the basis of interaction documents are ...


Keywords: collaboration, document-centric, html, odf, rich internet application

11 Engineering ab initio dynamic interoperability and composability via

[Levent Yilmaz, Andreas Tolk](#)

December 2006 **WSC '06**: Proceedings of the 38th conference on Winter simulation

Publisher: Winter Simulation Conference


Full text available:  Pdf (246.10 KB)

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Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 22, Download


Complex software intensive simulation systems must respond to change. Hence, dynamic extensibility and adaptability is a significant concern in interoperability and ...

12 Web services enterprise security architecture: a case study

 Carlos Gutiérrez, Eduardo Fernández-Medina, Mario Piattini

November 2005 **SWS '05**: Proceedings of the 2005 workshop on Secure web

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (341.82 KB)

[Additional Information: full citation, at](#)

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Web Services (WS hereafter) Security is a crucial aspect for technologies adopted by the industry. As a consequence, a lot of initiatives of initiatives their main purpose ...

Keywords: security, software architecture, software development process



Type-safe multithreading in cyclone

Dan Grossman

January 2003

TLDI '03: Proceedings of the 2003 ACM SIGPLAN international implementation

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (228.33 KB)

[Additional Information: full citation, etc.](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 42, Downloads (All Time): 114

We extend Cyclone, a type-safe polymorphic language at the C level of abstraction, to support shared data races. Cyclone can violate type safety in Cyclone. An extended type system statically guarantees that no shared data is accessed without proper synchronization ...

Keywords: cyclone, data races, types

Also published in:

March 2003 **SIGPLAN Notices** Volume 38 Issue 3



14 The Conquest file system: Better performance through a disk/persistent file system

An-I Andy Wang, Geoff Kuenning, Peter Reiher, Gerald Popek

August 2006

Transactions on Storage (TOS), Volume 2 Issue 3

Publisher: ACM [Request Permissions](#)

Full text available: [Pdf](#) (1.34 MB)

[Additional Information: full citation, etc.](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 194, Downloads (All Time): 312

Modern file systems assume the use of disk, a system-wide performance bottleneck. In-memory file systems either impose high overhead to access memory or achieve data persistence ...

Keywords: Persistent RAM, file systems, performance measurement, storage



15 Deploying and managing Web services: issues, solutions, and direct

Qi Yu, Xumin Liu, Athman Bouguettaya, Brahim Medjahed

May 2008

The VLDB Journal — The International Journal on Very Large Databases

Publisher: Springer-Verlag New York, Inc.

Full text available: [Pdf](#) (903.96 KB)

[Additional Information: full citation, etc.](#)

Bibliometrics: Downloads (6 Weeks): 192, Downloads (12 Months): 1991, Downloads (All Time): 3121

Web services are expected to be the key technology in enabling the next generation of Web. In this paradigm shift, Web services would be treated as first-class citizens ...

Keywords: Interoperability, Service-oriented computing, Web service research



16 A framework for service-oriented computing with C and C++

Robert A. Van Engelen

May 2008

Transactions on Internet Technology (TOIT), Volume 8 Issue 1

Publisher: ACM [Request Permissions](#)




Full text available: [Pdf](#) (1.08 MB)

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Bibliometrics: Downloads (6 Weeks): 41, Downloads (12 Months): 311, Downloads (All Time): 452

Service-oriented architectures use loosely coupled software services to support a wide range of applications and software users. Several software engineering challenges have to be addressed to support such applications and specialized system ...

Keywords: Service-oriented computing, Web services standards

- 17 [A mobile computing middleware for location- and context-aware inte](#)
 Paolo Bellavista, Antonio Corradi, Rebecca Montanari, Cesare Stefanelli
November 2006 **Transactions on Internet Technology (TOIT)**, Volume 6
Publisher: ACM  [Request Permissions](#)
Full text available:  Pdf (316.77 KB) Additional Information: [full citation](#), [at](#)
Bibliometrics: Downloads (6 Weeks): 39, Downloads (12 Months): 355, Downl

The widespread diffusion of mobile computing calls for novel services ca
current physical position of users (location) and the logical set of access
and ...

Keywords: Mobile computing, adaptive services, context awareness, lo
policies

- 18 [Process modeling in Web applications](#)
 Marco Brambilla, Stefano Ceri, Piero Fraternali, Ioana Manolescu
October 2006 **Transactions on Software Engineering and Methodolog**
Publisher: ACM  [Request Permissions](#)
Full text available:  Pdf (1.17 MB) Additional Information: [full citation](#), [at](#)
Bibliometrics: Downloads (6 Weeks): 148, Downloads (12 Months): 1095, Dov

While Web applications evolve towards ubiquitous, enterprise-wide or m
requirements, such as the capability of managing complex processes sp
interconnecting software ...

Keywords: Web applications, Web engineering, conceptual modeling, v

- 19 [Exporting and interactively querying Web service-accessed sources:](#)
 Michaelis Petropoulos, Alin Deutsch, Yannis Papakonstantinou, Yannis Katsis
November 2007 **Transactions on Database Systems (TODS)**, Volume 32 I
Publisher: ACM  [Request Permissions](#)
Full text available:  Pdf (1.80 MB) Additional Information: [full citation](#), [at](#)
Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 106, Downl

The CLIDE System assists the owners of sources that participate in Web
a restricted set of parameterized queries over the schema of their sourc
sources may be relational ...

Keywords: Middleware, Web services, limited access patterns, query r

- 20 [Checking type safety of foreign function calls](#)
 Michael Furr, Jeffrey S. Foster
July 2008 **Transactions on Programming Languages and Systems**
Publisher: ACM  [Request Permissions](#)
Full text available:  Pdf (1.32 MB) Additional Information: [full citation](#), [at](#)
Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 123, Downl

Foreign function interfaces (FFIs) allow components in different languag
FFIs are useful, they often require writing tricky low-level code and incl

providing ...

Keywords: FFI, Foreign function interface, JNI, Java, Java Native Inter system, foreign function calls, multilingual type inference, multilingual t

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